EAST SEARCH

6/6/03

L#	Hits	Search String	Databases
L1	2	5,781,320.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L2	2	5,920,711.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L3	2	5,745,386.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L4	2	5,715,432.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L5	2	5,375,070.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L6	2	5,544,066.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L7	359	ATM/SONET or "ATM SONET" or "SONET ATM"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L8	71	(ATM/SONET or "ATM SONET" or "SONET ATM") and (framer or framing)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L9	190	(ATM/SONET or "ATM SONET" or "SONET ATM") and parameter$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L10	62	((ATM/SONET or "ATM SONET" or "SONET ATM") and simulat$3) and parameter	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L11	0	(((ATM/SONET or "ATM SONET" or "SONET ATM") and simulat$3) and paramete	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L12	0	(((ATM/SONET or "ATM SONET" or "SONET ATM") and simulat$3) and paramete	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L13	28	(((ATM/SONET or "ATM SONET" or "SONET ATM") and simulat$3) and paramete	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L14	1	(((ATM/SONET or "ATM SONET" or "SONET ATM") and simulat$3) and paramete	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L15	1	(((ATM/SONET or "ATM SONET" or "SONET ATM") and simulat$3) and paramete	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L16	0	(((ATM/SONET or "ATM SONET" or "SONET ATM") and simulat$3) and paramete	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L17	54	(ATM/SONET or "ATM SONET" or "SONET ATM") and (clock with (synchronizatiol	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L18	0	(ATM/SONET or "ATM SONET" or "SONET ATM") and (clock with (synchronizatiol	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L19	0	(ATM/SONET or "ATM SONET" or "SONET ATM") and (built-in adj test$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L20	0	(ATM/SONET or "ATM SONET" or "SONET ATM") and ("built-in tests")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L21	8	((ATM/SONET or "ATM SONET" or "SONET ATM") and (framer or framing)) and s	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L22	11	((ATM/SONET or "ATM SONET" or "SONET ATM") and simulat$3) and "behaviora	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L23	18	(((ATM/SONET or "ATM SONET" or "SONET ATM") and simulat$3) and paramete	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L24	19	((ATM/SONET or "ATM SONET" or "SONET ATM") and simulat$3) and UTOPIA	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L25	21	((ATM/SONET or "ATM SONET" or "SONET ATM") and parameter$1) and UTOPI,	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L26	1	(ATM/SONET or "ATM SONET" or "SONET ATM") and (UTOPIA with level$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L27	166	UTOPIA with level$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L28	155	(UTOPIA with level$3) and (ATM or SONET)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L29	0	((UTOPIA with level$3) and (ATM or SONET)) and Simulat$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L30	44	((UTOPIA with level$3) and (ATM or SONET)) and parameter$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L31	27	(((UTOPIA with level$3) and (ATM or SONET)) and parameter$1) and FIFO	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L32	18	(ATM/SONET or "ATM SONET" or "SONET ATM") and (line adj rate$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L33	5	(ATM/SONET or "ATM SONET" or "SONET ATM") and ("clock frequencies")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
	11	((ATM/SONET or "ATM SONET" or "SONET ATM") and simulat$3) and ((ATM/SOI	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
	6	((ATM or SONET) and (built-in adj test$1)) and simulat$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
	8	((ATM or SONET) and (built-in adj test$1)) and SONET	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

Hits	Query	Databases
31	(ATM/SONET or "ATM SONET" or "SONET ATM") and framer	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
2	((ATM/SONET or "ATM SONET" or "SONET ATM") and framer) and simulat$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
474	(ATM or SONET) and framer	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
30	((ATM or SONET) and framer) and simulat$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
3	(ATM/SONET or "ATM SONET" or "SONET ATM") with framer	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
2	(ATM/SONET or "ATM SONET" or "SONET ATM") same simulat$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
1	UTOPIA same simulat$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
413	(ATM or SONET) same simulat$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
4	(ATM and SONET) same simulat$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
33	simulat$3 near2 (ATM or SONET)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
27	(ATM or SONET) and (built-in adj test$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
75	(ATM/SONET or "ATM SONET" or "SONET ATM") and simulat$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
2	6,417,943.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
1	6,417,943.pn. and (ATM/SONET or "ATM SONET" or "SONET ATM") and simulat$	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
359	ATM/SONET or "ATM SONET" or "SONET ATM"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
229	(ATM/SONET or "ATM SONET" or "SONET ATM") and fram$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
209	((ATM/SONET or "ATM SONET" or "SONET ATM") and fram$3) and (receive$1 ar	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
46	(((ATM/SONET or "ATM SONET" or "SONET ATM") and fram$3) and (receive$1 a	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
2	fiber line card	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
359	ATM/SONET or "ATM SONET" or "SONET ATM"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
106	(ATM/SONET or "ATM SONET" or "SONET ATM") and transceiver	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
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19	((ATM/SONET or "ATM SONET" or "SONET ATM") and transceiver) and framer	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
0	(ATM/SONET or "ATM SONET" or "SONET ATM") and (transceiver same simulat$	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
46	((ATM/SONET or "ATM SONET" or "SONET ATM") and transceiver and simulat$:	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
148	transceiver same framer	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
0	transceiver same framer same simulat$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
8	framer same simulat$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
15	(transceiver same framer) and simulat$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
361	framer with (chip$1 or IC$1 or circuit$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
86	(framer with (chip$1 or IC$1 or circuit$1)) and SONET	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
37	((framer with (chip$1 or IC$1 or circuit$1)) and SONET) and ATM	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
204	framer near2 (chip$1 or IC$1 or circuit$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
55	(framer near2 (chip$1 or IC$1 or circuit$1)) and SONET	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
22	((framer near2 (chip$1 or IC$1 or circuit$1)) and SONET) and ATM	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
387	ATM/SONET or "ATM SONET" or "SONET ATM" or "SONET/ATM"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
9206	Integrated circuit and simulation	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
39	("Integrated circuit" and simulation) and (simulation with "behavioral model")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
67	Sonet same ("clock rate" or "clock rate" or "clock frequency")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
190	ATM same ("clock rate" or "clock frequency")) and (ATM same ("clock rate" or "cl	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
8	(Sonet same ("clock rate" or "clock frequency")) and (ATM same ("clock rate" or "cl	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
18	(Sonet same ("clock rate" or "clock frequency")) and FIFO	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

83 (ATM same ("clock rate" or "clock frequency")) and FIFO   USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

4 ((Sonet same ("clock rate" or "clock frequency")) and FIFO) and ((ATM same ("cloc USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

859 (ATM near2 (SONET or SDH)) or ATM/SONET or ATM/SDH USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

4 ((ATM near2 (SONET or SDH)) or ATM/SONET or ATM/SDH) and (fram$3 with si USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

0 ((ATM near2 (SONET or SDH)) or ATM/SONET or ATM/SDH) and (ASIC with sim USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

1 ((ATM near2 (SONET or SDH)) or ATM/SONET or ATM/SDH) and (ASIC$1 with s USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

2 ((ATM near2 (SONET or SDH)) or ATM/SONET or ATM/SDH) with simulat$3 USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

2625 (((digital or integrated) adj circuit) or ASIC) with simulat$3 USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

0 ((ATM near2 (SONET or SDH)) or ATM/SONET or ATM/SDH) and ((((digital or int USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

159 ATM with ASIC$1 USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

0 (ATM with ASIC$1) and (ATM with Simulat$1) USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

23 (((((digital or integrated) adj circuit) or ASIC) with simulat$3) and ATM USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

32 ATM with Simulat$1 USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

2 (ATM/SONET or "ATM SONET" or "SONET ATM") with simulat$3 USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

2 (SONET or SDH) with fram$2 with simulat$3 USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

26 (SONET or SDH) with simulat$3 USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

L1 68 370/395.51.ccls.

L2 2045 370/465-466.ccls.

L3 104 370/907.ccls.

L4 2181 1 or 2 or 3

L5 351 4 and (SONET or SDH)

L6 21 5 and simulat$3

09/505748 Rajkumar Singh et al.

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6/6/03

Results of search set L39: ((ATM or SONET) and framer) and simulat$3

Document	Document II	Title	Source	Issue Date	Current OR	Abstract
US 20020186721 A1		Methods and systems for monitoring traffic received from and loading simulated traffic on broadband comm		20021212	370/522	
US 20020178072 A1		Online shopping mall virtual association		20021128	705/26	
US 20020165961 A1		Network device including dedicated resources control plane		20021107	709/225	
US 20020158916 A1		Graphical e-commerce shopping terminal system and method		20021031	345/850	
US 20020152127 A1		Tightly-coupled online representations for geographically-centered shopping complexes		20021017	705/26	
US 20020116485 A1		Out-of-band network management channels		20020822	709/223	
US 20020116186 A1		Voice activity detector for integrated telecommunications processing		20020822	704/233	
US 20020085590 A1		Method and apparatus for inserting user data into sonet data communications channel		20020704	370/535	
US 20020076034 A1		Tone detection for integrated telecommunications processing		20020620	379/390.02	
US 20020064139 A1		Network echo canceller for integrated telecommunications processing		20020530	370/289	

Patent Number	Title	Date	Class
US 20020057018 A1	Network device power distribution scheme	20020516	307/42
US 20020001307 A1	VPI/VCI availability index	20020103	370/386
US 6456608 B1	Adaptive vector correlator using weighting signals for spread-spectrum communications	20020924	370/335
US 6427179 B1	System and method for protocol conversion in a communications system	20020730	710/64
US 6364541 B1	Method and apparatus for optical reception	20020402	385/92
US 6275499 B1	OC3 delivery unit; unit controller	20010814	370/438
US 6236653 B1	Local telephone service over a cable network using packet voice	20010522	370/352
US 6208637 B1	Method and apparatus for the generation of analog telephone signals in digital subscriber line access system	20010327	370/352
US 6157947 A	Method, apparatus, system, and program storage device for distributing intellectual property	20001205	709/217
US 6065131 A	Multi-speed DSP kernel and clock mechanism	20000516	713/600
US 5987031 A	Method for fair dynamic scheduling of available bandwidth rate (ABR) service under asynchronous transfer	19991116	370/412
US 5978377 A	STM-based ATM cell physical layer processing circuit	19991102	370/395.71
US 5852651 A	Cellular communications system with sectorization	19981222	379/56.2
US 5717691 A	Multimedia network interface for asynchronous transfer mode communication system	19980210	370/401
US 5657374 A	Cellular communications system with centralized base stations and distributed antenna units	19970812	370/328
US 5644622 A	Cellular communications system with centralized base stations and distributed antenna units	19970701	455/422
US 5642405 A	Cellular communications system with centralized base stations and distributed antenna units	19970624	455/444
US 5627879 A	Cellular communications system with centralized base stations and distributed antenna units	19970506	370/328
US 5621786 A	Cellular communications system having passive handoff	19970415	455/436
US 5550816 A	Method and apparatus for virtual switching	19960827	370/397

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Results 1 - 20 of 80   short listing

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1 Standardization for ATM and related B-ISDN technologies   **99%**
David Cypher , Shukri Wakid
StandardView September 1993
Volume 1 Issue 1

2 Design and synthesis of array structured telecommunication   **98%**
processing applications
Wolfgang Meyer , Andrew Seawright , Fumiya Tada
Proceedings of the 34th annual conference on Design automation
conference June 1997

3 An architecture for QoS analysis and experimentation   **98%**
William S. Marcus
IEEE/ACM Transactions on Networking (TON) August 1996
Volume 4 Issue 4

4 Implementation of a SDH STM-N IC for B-ISDN using VHDL based   **96%**
synthesis tools
Juan Carlos Calderón , Enric Corominas , José M. Tapia , Luis París
Proceedings of the conference on European design automation
conference September 1994

5 A passive protected self-healing mesh network architecture and applications   91%
Tsong-Ho Wu
IEEE/ACM Transactions on Networking (TON) February 1994
Volume 2 Issue 1

6 A host-network interface architecture for ATM   90%
Bruce S. Davie
ACM SIGCOMM Computer Communication Review , Proceedings of the conference on Communications architecture & protocols August 1991
Volume 21 Issue 4

7 Protection interoperability for WDM optical networks   88%
Olivier Crochat , Jean-Yves Le Boudec , Ornan Gerstel
IEEE/ACM Transactions on Networking (TON) June 2000
Volume 8 Issue 3

8 Design of a high-performance ATM firewall   88%
Jun Xu , Mukesh Singhal
ACM Transactions on Information and System Security (TISSEC) August 1999
Volume 2 Issue 3
> A router-based packet-filtering firewall is an effective way of protecting an enterprise network from unauthorized access. However, it will not work efficiently in an ATM network because it requires the termination of end-to-end ATM connections at a packet-filtering router, which incurs huge overhead of SAR (Segmentation and Reassembly). Very few approaches to this problem have been proposed in the literature, and none is completely satisfactory. In this paper we present the hardware desig ...

9 Multimedia networks: fundamentals and future directions   87%
Nalin Sharda
Communications of the AIS February 1999

10 The hop-limit approach for spare-capacity assignment in survivable networks   87%
Meir Herzberg , Stephen J. Bye , Anthony Utano
IEEE/ACM Transactions on Networking (TON) December 1995
Volume 3 Issue 6

11 An architecture for packet-striping protocols   85%
Adiseshu Hari , George Varghese , Guru Parulkar

ACM Transactions on Computer Systems (TOCS) November 1999
Volume 17 Issue 4
> Link-striping algorithms are often used to overcome transmission bottlenecks in computer networks. Traditional striping algorithms suffer from two major disadvantages. They provide inadequate load sharing in the presence of variable-length packets, and may result in non-FIFO delivery of data. We describe a new family of link-striping algorithms that solves both problems. Our scheme applies to any layer that can provide multiple FIFO channels. We deal with variable-sized packets by showing h ...

12 Military applications: Simulation methods for analysis of traffic   84%
processes in ATM networks
Kenneth Y. Jo , Christopher Munk
Proceedings of the 32nd conference on Winter simulation December 2000
> This paper presents efficient simulation methods for analyzing modern, large-scale networks and evaluating their performance attributes. Characterizing traffic flows from multiple sources and applications is key in assessing overall network performance measures. It is essential to have quantitative network cost and performance measures in order to plan, design, and implement modern, large-scale networks such as the Advanced Distributed Learning Network (ADLN). ADLN requires integrated, multimedi ...

13 Protocol stacked-based telecon emulator   84%
Takahiro Murooka , Toshiaki Miyazaki
Proceedings of the conference on Design, automation and test in Europe January 2000

14 A 50-Gb/s IP router   84%
Craig Partridge , Philip P. Carvey , Ed Burgess , Isidro Castineyra , Tom Clarke , Lise Graham , Michael Hathaway , Phil Herman , Allen King , Steve Kohalmi , Tracy Ma , John Mcallen , Trevor Mendez , Walter C. Milliken , Ronald Pettyjohn , John Rokosz , Joshua Seeger , Michael Sollins , Steve Storch , Benjamin Tober , Gregory D. Troxel
IEEE/ACM Transactions on Networking (TON) June 1998
Volume 6 Issue 3

15 A reliable and scalable striping protocol   84%
Hari Adiseshu , Guru Parulkar , George Varghese
ACM SIGCOMM Computer Communication Review , Conference proceedings on Applications, technologies, architectures, and protocols for computer communications August 1996
Volume 26 Issue 4

Link striping algorithms are often used to overcome transmission bottlenecks in computer networks. Traditional striping algorithms suffer from two major disadvantages. They provide inadequate load sharing in the presence of variable length packets, and may result in non-FIFO delivery of data. We describe a new family of link striping algorithms that solves both problems. Our scheme applies to any layer that can provide multiple FIFO channels. We deal with variable sized packets ...

16 Session 21: computer-communication interaction: Using high speed networks to enable distributed parallel image server systems   82%

Brian L. Tierney , William E. Johnston , Hanan Herzog , Gary Hoo , Guojun Jin , Jason Lee , Ling Tony Chen , Doron Rotem
Proceedings of the 1994 ACM/IEEE conference on Supercomputing November 1994

We describe the design and implementation of a distributed parallel storage system that uses high-speed ATM networks as a key element of the architecture. Other elements include a collection of network-based disk block servers, and an associated name server that provides some file system functionality. The implementation is based on user level software that runs on UNIX workstations. Both the architecture and the implementation are intended to provide for easy and economical scalability. This ap ...

17 Credit-based fair queueing (CBFQ): a simple service-scheduling algorithm for packet-switched networks   82%

Brahim Bensaou , Danny H. K. Tsang , King Tung Chan
IEEE/ACM Transactions on Networking (TON) October 2001
Volume 9 Issue 5

This paper proposes a simple rate-based scheduling algorithm for packet-switched networks. Using a set of counters to keep track of the credits accumulated by each traffic flow, the bandwidth share allocated to each flow, and the size of the head-of-line (HOL) packets of the different flows, the algorithm decides which flow to serve next. Our proposed algorithm requires on average a smaller complexity than the most interesting alternative ones while guaranteeing comparable fairness, delay, and d ...

18 Survivability performance analysis of rerouting strategies in an ATM/VP DCS survivable mesh network   82%

Kyamakya Kyandoghere
ACM SIGCOMM Computer Communication Review October 1998
Volume 28 Issue 5

Several self-healing protocols utilizing virtual paths have been

proposed in the relevant literature. Those which work in a mesh topology function according to three main rerouting strategies (though specific flooding administrations differ): local rerouting, source-destination rerouting, and local-destination rerouting. Most performance studies of self-healing protocols have considered restoration time as sole performance metric. This would have to be within the 2s threshold in order to guarant ...

19 Design of a SPDIF receiver using protocol compiler   82%
Ulrich Holtmann , Peter Blinzer
Proceedings of the 35th annual conference on Design automation conference May 1998
> This paper describes the design of a receiver for the digital audio signal SPDIF used by CD-ROM players. The design was done with Protocol Compiler, a high-level synthesis tool for the design of structured data stream processing controllers. Compared to traditional RTL design, Protocol Compiler makes entry, debugging, and re-use easier. Design time was cut by factor 2 while the results in terms of area and delay are competitive.

20 Queueing analysis of an ATM switch with multichannel   80%
transmission groups
Arthur Y. M. Lin , John A. Silvester
ACM SIGMETRICS Performance Evaluation Review , Proceedings of the 1990 ACM SIGMETRICS conference on Measurement and modeling of computer systems April 1990
Volume 18 Issue 1
> The discrete-time D[A]/D/c/B queueing system is studied. We consider both a bulk arrival process with constant bulk inter-arrival time (D) and general bulk-size distribution (A) and a periodic arrival process (D1 + ⋯ + DN). The service/transmission times are deterministic (D

Results 1 - 20 of 80   **short listing**

Search Results

Search Results for: [ATM and (SONET or SDH) and simulat* and (IC* or chip* or ASIC* or circuit*)]
Found 80 of 110,773 searched.   ⇢ Rerun within the Portal

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21 A novel generic graph model for traffic grooming in heterogeneous 80%
WDM mesh networks
Hongyue Zhu , Hui Zang , Keyao Zhu , Biswanath Mukherjee
IEEE/ACM Transactions on Networking (TON) April 2003
Volume 11 Issue 2
> As the operation of our fiber-optic backbone networks migrates from
> interconnected SONET rings to arbitrary mesh topology, traffic
> grooming on wavelength-division multiplexing (WDM) mesh networks
> becomes an extremely important research problem. To address this
> problem, we propose a new generic graph model for traffic grooming
> in heterogeneous WDM mesh networks. The novelty of our model is
> that, by only manipulating the edges of the auxiliary graph created
> by our model and the weights of these ed ...

22 On the reconfigurability of single-hub WDM ring networks   80%
Kayi Lee , Kai-Yeung Siu
IEEE/ACM Transactions on Networking (TON) April 2003
Volume 11 Issue 2
> We study the benefit of reconfigurability for wavelength division
> multiplexed (WDM) ring networks with dynamic single-hubbed traffic.
> We showthat the ability to reconfigure wavelength add-drop
> multiplexers helps to reduce the number of expensive line
> terminating equipment (LTEs) by a factor of W, where W is the

number of wavelengths in the network. In addition, we show that for a general class of traffic, optical networks using reconfigurable wavelength add-drop multiplexers guaran ...

23 Concurrent round-robin-based dispatching schemes for Clos-network switches   80%

Eiji Oki , Zhigang Jing , Roberto Rojas-Cessa , H. Jonathan Chao
IEEE/ACM Transactions on Networking (TON) December 2002
Volume 10 Issue 6

A Clos-network switch architecture is attractive because of its scalability. Previously proposed implementable dispatching schemes from the first stage to the second stage, such as random dispatching (RD), are not able to achieve high throughput unless the internal bandwidth is expanded. This paper presents two round-robin-based dispatching schemes to overcome the throughput limitation of the RD scheme. First, we introduce a concurrent round-robin dispatching (CRRD) scheme for the Clos-network s ...

24 Global optimization of SDH networks: a practical application   80%

Dirk Beckmann , Jörn Thurow
International Journal of Network Management January 2003
Volume 13 Issue 1

We describe in this paper how the backbone network of a major German telecommunication company has been globally optimized using the so-called branch-and-bound algorithm. The described optimization approach enables significant reductions of expenses for leased lines compared to manually derived planning results. This gain achieved by the presented optimization approach is also demonstrated by the comparison with a heuristic algorithm which is used for the simulation of a human network planning p ...

25 Wormhole IP over (connectionless) ATM   80%

Manolis G. H. Katevenis , Iakovos Mavroidis , Georgios Sapountzis , Eva Kalyvianaki , Ioannis Mavroidis , Georgios Glykopoulos
IEEE/ACM Transactions on Networking (TON) October 2001
Volume 9 Issue 5

High-speed switches and routers internally operate using fixed-size cells or segments; variable-size packets are segmented and later reassembled. Connectionless ATM was proposed to quickly carry IP packets segmented into cells (AAL5) using a number of hardware-managed ATM VCs. We show that this is analogous to wormhole routing. We modify this architecture to make it applicable to existing ATM equipment: we propose a low-cost, single-input, single-output Wormhole IP Router that functions as a VP/ ...

26 From voice-band modems to DSL technologies　　　　　　　80%

International Journal of Network Management September 2001
Volume 11 Issue 5

This paper provides an overview of the evolution of digital transmission in the copper access network from voice-band modems to Digital Subscriber Line (DSL) technologies. The various types of DSL technology are described. Copyright © 2001 John Wiley & Sons, Ltd.

27 Illustrative risks to the public in the use of computer systems and　80%
related technology
Peter G. Neumann
ACM SIGSOFT Software Engineering Notes January 1996
Volume 21 Issue 1

28 Design of an ATM switch for handoff support　　　　　　　80%
Heechang Kim , H. Jonathan Chao
Wireless Networks December 2000
Volume 6 Issue 6

In a wireless ATM system, a network must provide seamless services to mobile users. To support this, mobility function should be added to existing ATM networks. Through a handoff operation, a mobile user can receive a service from the network without disconnecting the communication. A handoff results in connection path rerouting during an active connection. To avoid cell loss during a handoff, cell buffering and rerouting are required in the network. A handoff switch is a connection breakdown ...

29 The use of hop-limits to provide survivable ATM group　　　80%
communications
William Yurcik , David Tipper , Deepankar Medhi
Proceedings of NGC 2000 on Networked group communication
November 2000

We examine the use of a hop-limit constraint with techniques to provide survivability for connection-oriented ATM group communications. A hop-limit constraint is an approach that has evolved

from solving point-to-point routing problems but has not been fully developed for group communications. A hop-limit: (1) limits the number of routes considered such that the routing problems of higher order complexity can be solved and (2) limits the length of any individual route to meet specific Quality ...

30 Optimal capacity and flow assignment for self-healing ATM   80%
networks based on line and end-to-end restoration
Kazutaka Murakami , Hyong S. Kim
IEEE/ACM Transactions on Networking (TON) April 1998
Volume 6 Issue 2

31 Link layer retransmission schemes for circuit-mode data over the   80%
CDMA physical channel
Mooi Choo Chuah , Bharat Doshi , Subra Dravida , Richard Ejzak , Sanjiv Nanda
Mobile Networks and Applications October 1997
Volume 2 Issue 2
    In the last few years, wide-area data services over North American digital (TDMA and CDMA) cellular networks have been standardized. The standards were developed under three primary constraints: (i) compatibility with existing land-line standards and systems, (ii) compatibility with existing cellular physical layer standards that are optimized for voice, and (iii) market demands for quick solutions. In particular, the IS-95 CDMA air interface standard permits multiplexing of primary traffic ...

32 Increasing throughput in ATM/B-ISDN using simple buffer   80%
management and selective discarding
Samir Chatterjee , Wen Xiao
ACM SIGCOMM Computer Communication Review October 1997
Volume 27 Issue 5
    If the reliability provided by the network is lower than that requested by the application, the error and flow control systems in the end-nodes must make up for the difference. While most applications use retransmission based schemes to recover lost data, ARQ based closed loop techniques may not be suitable for many new applications. Time sensitive information requiring no-loss of data would constitute a major segment of the emerging traffic (interactive web, videophones, CSCW) that typically em ...

33 A brief overview of ATM: protocol layers, LAN emulation, and   80%

traffic management
Kai-Yeung Siu , Raj Jain
ACM SIGCOMM Computer Communication Review April 1995
Volume 25 Issue 2
> Asnychronous Transfer Mode (ATM) has emerged as the most promising technology in supporting future broadband multimedia communication services. To accelerate the deployment of ATM technology, the ATM Forum, which is a consortium of service providers and equipment vendors in the communication industries, has been created to develop implementation and specification agreements. In this article, we present a brief overview on ATM protocol layers and current progress on LAN Emulation and Traffic ...

34 Design and analysis of a large-scale multicast output buffered ATM 80%
switch
H. Jonathan Chao , Byeong-Seog Choe
IEEE/ACM Transactions on Networking (TON) April 1995
Volume 3 Issue 2

35 Reliable and efficient hop-by-hop flow control   80%
Cüneyt Özveren , Robert Simcoe , George Varghese
ACM SIGCOMM Computer Communication Review , Proceedings of the conference on Communications architectures, protocols and applications
October 1994
Volume 24 Issue 4
> Hop-by-hop flow control can be used to fairly share the bandwidth of a network among competing flows. No data is lost even in overload conditions; yet each flow gets access to the maximum throughput when the network is lightly loaded. However, some schemes for hop-by-hop flow control require too much memory; some of them are not resilient to errors. We propose a scheme for making hop-by-hop flow control resilient and show that it has advantages over schemes proposed by Kung. We also describ ...

36 Analyzing the fault tolerance of double-loop networks   80%
Jon M. Peha , Fouad A. Tobagi
IEEE/ACM Transactions on Networking (TON) August 1994
Volume 2 Issue 4

37 A high performance transparent bridge   80%
Martina Zitterbart , Ahmed N. Tantawy , Dimitrios N. Serpanos
IEEE/ACM Transactions on Networking (TON) August 1994
Volume 2 Issue 4

38 Network transparency: the plaNET approach   80%
Inder Gopal , Roch Guérin
IEEE/ACM Transactions on Networking (TON) June 1994
Volume 2 Issue 3

39 About maximum transfer rates for fast packet switching networks 80%
Jean-Yves Le Boudec
ACM SIGCOMM Computer Communication Review , Proceedings of the
conference on Communications architecture & protocols August 1991
Volume 21 Issue 4

40 Session 2A: embedded tutorial: Challenges and opportunities in   77%
broadband and wireless communication designs
Jan M. Rabaey , Miodrag Potkonjak , Farinaz Koushanfar , Suet Fei Li ,
Tim Tuan
Proceedings of the 2000 IEEE/ACM international conference on
Computer-aided design November 2000
> Communication designs form the fastest growing segment of the
> semiconductor market. Both network processors and wireless
> chipsets have been attracting a great deal of research attention,
> financial resources and design efforts. However, further progress is
> limited by lack of adequate system methodologies and tools. Our goal
> in this tutorial is to provide impetus for development of
> communication design techniques and tools.The first part addresses
> network processors (NP) that we study from three v ...

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41 Data and Content: MarconiNet supporting streaming media over   **77%**
localized wireless multicast
Ashutosh Dutta , Subir Das , Wai Chen , Anthony McAuley , Henning
Schulzrinne , Onur Altintas
Proceedings of the second international workshop on Mobile commerce
September 2002
> Flexible multi-media streaming such as advertisment insertion,
> location based services, mobility and wireless access are vital
> components that make existing Internet Radio and TV networks more
> attractive for the roaming users. All of these applications also provide
> added value to telematics, and military usage including coordination,
> education, situation awareness, distributed simulation, battlefield
> communication and multi-player games. While content distribution
> over a wired network can be rea ...

42 Papers: Effect of traffic knowledge on the efficiency of   **77%**
admission-control policies
Ljiljana Trajkovi? , Arnie Neidhardt
ACM SIGCOMM Computer Communication Review January 1999
Volume 29 Issue 1
> We investigate the importance of understanding traffic characteristics
> for admission-control policies in packet networks. We compare the
> network utilization achieved with admission policies based on a

partial knowledge of admitted traffic against the utilization that could be achieved with complete knowledge of traffic characteristics. Our quantitative study demonstrates that for realistic traffic traces the level of traffic knowledge dramatically affects admission control and improves network u ...

43 An adaptive FEC scheme for data traffic in wireless ATM networks   77%
Ian F. Akyildiz , Inwhee Joe , Henry Driver , Yung-Lung Ho
IEEE/ACM Transactions on Networking (TON) August 2001
Volume 9 Issue 4

In this paper, a new adaptive forward-error-correction scheme (AFEC) is introduced at the link layer for TCP/IP data traffic in wireless ATM networks. The fading and interference in wireless links cause high and variable error rates, as well as bursty errors. The purpose of the AFEC scheme is to provide a dynamic error-control mechanism by using the Reed-Solomon coding to protect the ATM cell payload, as well as the payload type indicator/cell loss priority fields in the ATM cell header. In orde ...

44 Efficient algorithms for routing dependable connections in WDM   77%
optical networks
G. Mohan , C. Siva Ram Murthy , Arun K. Somani
IEEE/ACM Transactions on Networking (TON) October 2001
Volume 9 Issue 5

We consider the problem of establishing *dependable connections* in WDM networks with dynamic traffic demands. We call a connection with fault-tolerant requirements as a dependable connection (D-connection). We consider the *single-link failure model* in our study and recommend the use of a proactive approach, wherein a D-connection is identified with the establishment of the primary lightpath and a backup lightpath at the time of honoring the connection request. We develop algorithms ...

45 A mapping algorithm for computer-assisted exploration in the   77%
design of embedded systems
E. P. Mariatos , A. N. Birbas , M. K. Birbas
ACM Transactions on Design Automation of Electronic Systems
(TODAES) January 2001
Volume 6 Issue 1

We present a technique for automatic exploration of architectural alternatives in the design of complex electronic embedded systems and systems-on-a-chip. The technique transforms the problem into a set of simple model-to-model operations and a mapping algorithm that becomes the core of the entire design process. The mapping algorithm is formulated as an assignment-type problem (ATP), which

is, in turn, solved by a straightforward optimization method. The result is a design assistance tool, ...

46 A framework for fast hardware-software co-simulation   77%
A. Hoffman , T. Kogel , H. Meyr
Proceedings of the DATE 2001 on Design, automation and test in Europe
March 2001

47 An overview of the communications and information technology   77%
research center (CICTR) at Pennsylvania State University
Mohsen Kavehrad
ACM SIGMOBILE Mobile Computing and Communications Review April
2000
Volume 4 Issue 2

48 An overview of the University of Texas at Dallas' center for   77%
advanced telecommunications systems and services (CATSS)
Imrich Chlamtac , Stefano Basagni , Stephen Gibbs
ACM SIGMOBILE Mobile Computing and Communications Review April
2000
Volume 4 Issue 2

> The University of Texas at Dallas' Center for Advanced
> Telecommunications Systems and Services (CATSS) was founded in
> January 1998 to satisfy the acute needs of the growing
> Dallas/Richardson telecommunications industry. Its mission is to
> foster a strong Industry-University partnership to advance local
> telecommunications industries to the next generation of systems and
> products. Composed of UTD faculty and industry researchers and
> managers, the Center's focus is exclusively telecommunications-rel
> ...

49 Computer-aided system integration for data-intensive multimedia   77%
applications (poster session)
Sami J. Habib , Alice C. Parker
Proceedings of the eighth ACM international conference on Multimedia
October 2000

In this paper we describe a computer-aided design
(CAD) tool for automatically designing and integrating
network and data management hardware for
data-intensive multimedia applications, such as the
animation film studio. The tool determines the network
strategy, interconnection hardware required, number

and location of proxies and servers, and file allocation.

50 Trajectory sampling for direct traffic observation   77%
N. G. Duffield , M. Grossglauser
ACM SIGCOMM Computer Communication Review , Proceedings of the
conference on Applications, Technologies, Architectures, and Protocols
for Computer Communication August 2000
Volume 30 Issue 4

Traffic measurement is a critical component for the control and
engineering of communication networks. We argue that traffic
measurement should make it possible to obtain the spatial flow of
traffic through the domain, i.e., the paths followed by packets
between any ingress and egress point of the domain. Most resource
allocation and capacity planning tasks can benefit from such
information. Also, traffic measurements should be obtained without a
routing model and without knowledge of netwo ...

51 The transport layer: tutorial and survey   77%
Sami Iren , Paul D. Amer , Phillip T. Conrad
ACM Computing Surveys (CSUR) December 1999
Volume 31 Issue 4

Transport layer protocols provide for end-to-end communication
between two or more hosts. This paper presents a tutorial on
transport layer concepts and terminology, and a survey of transport
layer services and protocols. The transport layer protocol TCP is used
as a reference point, and compared and contrasted with nineteen
other protocols designed over the past two decades. The service and
protocol features of twelve of the most important protocols are
summarized in both text and tables.< ...

52 Modeling and simulation of the interference due to digital switching 77%
in mixed-signal ICs
Alper Demir , Peter Feldmann
Proceedings of the 1999 IEEE/ACM international conference on
Computer-aided design November 1999

The paper introduces a methodology for the evaluation of the
interference noise, caused by digital switching activity, in sensitive
circuits of a mixed-digital-analog chip. The digital switching activity is
modeled stochastically as functions defined on Markov chains. The
actual interference signal is obtained through the modulation of this
discrete stochastic signal with real current injection patterns stored a
priori in a pre-characterized library. The interference noise results
from the ...

53 A rate-based congestion control scheme for ABR service in ATM   77%
networks
Anna Ha? , Yingjun Ma
International Journal of Network Management October 1998
Volume 8 Issue 5
> In this article we describe an improved rate-based congestion control
> scheme for Available Bit Rate (ABR) service in ATM
> networks. The analytical results are presented and the characteristics
> of the designed scheme are illustrated by using simulation results. ©
> 1998 John Wiley & Sons, Ltd.

54 Network planning with a performance-prediction tool   77%
Stephen D. Post
International Journal of Network Management May 1999
Volume 9 Issue 3
> A new type of tool facilitates network engineering by combining the
> speed and practicality of mathematical analysis with a graphic user
> interface that is customized for network modeling. Copyright © 1999
> John Wiley & Sons, Ltd.

55 Packet-switched local area networks using wavelength-selective   77%
station couplers
Adrian Grah , Terence D. Todd
IEEE/ACM Transactions on Networking (TON) April 2000
Volume 8 Issue 2

56 Provisioning algorithms for WDM optical networks   77%
Murat Alanyali , Ender Ayanoglu
IEEE/ACM Transactions on Networking (TON) October 1999
Volume 7 Issue 5

57 High availability path design in ring-based optimal networks   77%
Wayne D. Grover
IEEE/ACM Transactions on Networking (TON) August 1999
Volume 7 Issue 4

58 Integration of circuit and packet switched transport in a 3RD   77%
generation mobile network
Andrea Calvi , Francisco Cano Hila
Proceedings of the fourth annual ACM/IEEE international conference on
Mobile computing and networking October 1998

59 Resource aggregation for fault tolerance in integrated services   77%

networks
Constantinos Dovrolis , Parameswaran Ramanathan
ACM SIGCOMM Computer Communication Review April 1998
Volume 28 Issue 2
For several real-time applications it is critical that the failure of a network component does not lead to unexpected termination or long disruption of service. In this paper, we propose a scheme called RAFT (Resource Aggregation for Fault Tolerance) that guarantees recovery in a timely and resource-efficient manner. RAFT is presented in the framework of the Reliable Back-bone (RBone), a virtual network layered on top of an integrated services network. Applications can request fault tolerance ag ...

60 Traffic descriptor mapping and traffic control for frame relay over   77%
ATM network
Sudhir S. Dixit , Sharad Kumar
IEEE/ACM Transactions on Networking (TON) February 1998
Volume 6 Issue 1

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61 Error control schemes for networks: an overview   **77%**
Hang Liu , Hairuo Ma , Magda El Zarki , Sanjay Gupta
Mobile Networks and Applications October 1997
Volume 2 Issue 2

> In this paper, we investigate the issue of error control in wireless communication networks. We review the alternative error control schemes available for providing reliable end-to-end communication in wireless environments. Through case studies, the performance and tradeoffs of these schemes are shown. Based on the application environments and QoS requirements, the design issues of error control are discussed to achieve the best solution.

62 Performance and reliability analysis of relevance filtering for   **77%**
scalable distributed interactive simulation
Mostafa A. Bassiouni , Ming-Hsing Chiu , Margaret Loper , Michael Garnsey , Jim Williams
ACM Transactions on Modeling and Computer Simulation (TOMACS) July 1997
Volume 7 Issue 3

> Achieving the real-time linkage among multiple, geographically-distant, local area networks that support distributed interactive simulation (DIS) requires tremendous bandwidth and communication resources. Today, meeting the bandwidth and

communication requirements of DIS is one of the major challenges
facing the design and implementation of large scale DIS training
exercises. In this article, we discuss the DIS scalability problem,
briefly overview the major bandwidth reduction techniques c ...

63 VHDL development system and coding standard   77%
Hans Sahm , Claus Mayer , Jörg Pleickhardt , Johannes Schuck , Stefan
Späth
Proceedings of the 33rd annual conference on Design automation
conference June 1996

64 A system design methodology for software/hardware   77%
co-development of telecommunication network applications
Bill Lin
Proceedings of the 33rd annual conference on Design automation
conference June 1996

65 A system for compiling and debugging structured data processing   77%
controllers
A. Seawright , J. Buck , U. Holtmann , W. Meyer , B. Pangrle , R.
Verbrugghe
Proceedings of the conference with EURO-VHDL'96 and exhibition on
European Design Automation September 1996

66 On the use of VHDL-based behavioral synthesis for telecom ASIC   77%
design
Mark Genoe , Paul Vanoostende , Geert van Wauwe
Proceedings of the 8th international symposium on System synthesis
September 1995

67 Hierarchical self-healing rings   77%
Jianxu Shi , John P. Fonseka
IEEE/ACM Transactions on Networking (TON) December 1995
Volume 3 Issue 6

68 Turmoil at NASA, and numerous funding announcements   77%
Xiaolei Qian
ACM SIGMOD Record September 1995
Volume 24 Issue 3
Since the last issue of this column six months ago, there have been
many interesting program announcements, some of which have
already passed deadline. We'll go over these announcements
anyway, with the hope that they can get the readers better prepared

for future funding opportunities. But first, we'll talk about the continuing budget battle at Congress, and the recent turmoil at NASA.

69 Perspectives on ATM switch architecture and the influence of traffic   77%
pattern assumptions on switch design
Robert J. Simcoe , Tong-Bi Pei
ACM SIGCOMM Computer Communication Review April 1995
Volume 25 Issue 2
> Switch designs and the uniform distribution traffic pattern that has been the basis of much switch design analysis are discussed. In particular it is shown that head of line blocking is not the major cause of switch and link underutilization. Switch fabric and buffer system input bandwidth tradeoffs are described. For client server applications it is shown that having the majority of switch buffers on the input side of a switch reduces overall switch buffering.

70 Traffic descriptors for VBR video teleconferencing over ATM   77%
networks
Amy R. Reibman , Arthur W. Berger
IEEE/ACM Transactions on Networking (TON) June 1995
Volume 3 Issue 3

71 A heuristic wavelength assignment algorithm for multihop WDM   77%
networks with wavelength routing and wavelength re-use
Zhensheng Zhang , Anthony S. Acampora
IEEE/ACM Transactions on Networking (TON) June 1995
Volume 3 Issue 3

72 A nonblocking architecture for broadband multichannel switching   77%
P. S. Min , H. Saidi , M. V. Hegde
IEEE/ACM Transactions on Networking (TON) April 1995
Volume 3 Issue 2

73 Standards: when is it too much of a good thing?   77%
Robert J. Aiken , John S. Cavallini
StandardView June 1994
Volume 2 Issue 2

74 Accelerating concurrent hardware design with behavioural   77%
modelling and system simulation
Allan Silburt , Ian Perryman , Janick Bergeron , Stacy Nichols , Mario Dufresne , Greg Ward

Proceedings of the 32nd ACM/IEEE conference on Design automation
conference January 1995

75 RCBR: a simple and efficient service for multiple time-scale traffic   77%
M. Grossglauser , S. Keshav , D. Tse
ACM SIGCOMM Computer Communication Review , Proceedings of the
conference on Applications, technologies, architectures, and protocols
for computer communication October 1995
Volume 25 Issue 4
> Compressed video traffic is expected to be a significant component of
> the traffic mix in integrated services networks. This traffic is hard to
> manage, since it has strict delay and loss requirements, but at the
> same time, exhibits burstiness at multiple time-scales. In this paper,
> we observe that slow time-scale variations can cause sustained peaks
> in the source rate, substantially degrading performance. We use
> large deviation theory to study this problem and to motivate the
> design of Renegotiat ...

76 Distributed parallel data storage systems: a scalable approach to   77%
high speed image servers
Brian Tierney , Jason Lee , Ling Tony Chen , Hanan Herzog , Gary Hoo ,
Guojun Jin , William E. Johnston
Proceedings of the second ACM international conference on Multimedia
October 1994
> We have designed, built, and analyzed a distributed parallel storage
> system that will supply image streams fast enough to permit
> multi-user, “real-time”, video-like applications in a
> wide-area ATM network-based Internet environment. We have based
> the implementation on user-level code in order to secure portability;
> we have characterized the performance bottlenecks arising from
> operating system and hardware issues, and based on this have
> optimized our design to make the best use ...

77 An analytical model for partially blocking finite-buffered switching   77%
networks
James V. Luciani , C. Y. Roger Chen
IEEE/ACM Transactions on Networking (TON) October 1994
Volume 2 Issue 5

78 Two-dimensional round-robin schedulers for packet switches with   77%
multiple input queues
Richard O. LaMaire , Dimitrios N. Serpanos
IEEE/ACM Transactions on Networking (TON) October 1994
Volume 2 Issue 5

79 Performance analysis of two echo control designs in ATM networks   77%

Zsehong Tsai , Wen-der Wang , Chien-Hwa Chiou , Jin-Fu Chang ,
Lung-Sing Liang
IEEE/ACM Transactions on Networking (TON) February 1994
Volume 2 Issue 1

80 Network-based multicomputers: an emerging parallel architecture   77%

H. T. Kung , Robert Sansom , Steven Schlick , Peter Steenkiste ,
Matthieu Arnould , Francois J. Bitz , Fred Christianson , Eric C. Cooper ,
Onat Menzilcioglu , Denise Ombres , Brian Zill
Proceedings of the 1991 ACM/IEEE conference on Supercomputing
August 1991

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1 **SONET transcoder design for ATM over SONET or directly over fiber**
Jie Chen;
Circuits and Systems, 2001. ISCAS 2001. The 2001 IEEE
International Symposium on , Volume: 2 , 6-9 May 2001
Page(s): 229 -232 vol. 2

[Abstract]   [PDF Full-Text (368 KB)] **IEEE CNF**

2 **Proceedings of ICC '93 - IEEE International Conference on Communications**
Communications, 1993. ICC 93. Geneva. Technical Program,
Conference Record, IEEE International Conference on , Volume: 1 ,
23-26 May 1993

[Abstract]   [PDF Full-Text (264 KB)] **IEEE CNF**

3 **Definitions of restoration mechanism availability and their applications**
Shanzhi Chen; Shiduan Cheng; Bin Chen; Junliang Chen;
Communications, 1997. ICC 97 Montreal, 'Towards the Knowledge
Millennium'. 1997 IEEE International Conference on , Volume: 1 ,
8-12 Jun 1997
Page(s): 283 -287 vol.1

[Abstract]   [PDF Full-Text (532 KB)] **IEEE CNF**

4 **Mapping distributed interactive simulation network requirements onto broadband networks and services**

Gehl, T.L.;
Communications, 1994. ICC 94, SUPERCOMM/ICC '94, Conference
Record, Serving Humanity Through Communications. IEEE
International Conference on , 1-5 May 1994
Page(s): 154 -159 vol.1

[Abstract]   [PDF Full-Text (520 KB)] **IEEE CNF**

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5 **Proceedings of International Conference on Communication
Technology. ICCT '96**
Communication Technology Proceedings, 1996. ICCT'96., 1996
International Conference on , 5-7 May 1996

[Abstract]   [PDF Full-Text (2140 KB)] **IEEE CNF**

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6 **Cell loss reduction by cell unit interleaving in wireless ATM
networks**
Sung Ho Lim; Dong Myung Ahn; Duk Whan Kim; Dae Young Kim;
Communications, 1996. ICC 96, Conference Record, Converging
Technologies for Tomorrow's Applications. 1996 IEEE International
Conference on , Volume: 1 , 23-27 Jun 1996
Page(s): 449 -453 vol.1

[Abstract]   [PDF Full-Text (480 KB)] **IEEE CNF**

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7 **A 622-MHz interpolating ring VCO with temperature
compensation and jitter analysis**
Wing-Hong Chan; Lau, J.; Buchwald, A.;
Circuits and Systems, 1997. ISCAS '97., Proceedings of 1997 IEEE
International Symposium on , Volume: 1 , 9-12 Jun 1997
Page(s): 25 -28 vol.1

[Abstract]   [PDF Full-Text (336 KB)] **IEEE CNF**

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8 **Experimental and simulation performance results of TCP/IP
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